



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s): Timothy E. Benson et al.

Group Art Unit: 1651

Serial No.: 09/932,474

Examiner: unknown

Confirmation No.: 6629

Filed: August 17, 2001

Docket No.: 00236.US1

For: CRYSTALLIZATION AND STRUCTURE DETERMINATION
OF FEMA AND FEMA-LIKE PROTEINSAssistant Commissioner for Patents
Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.
☐ A Petition for Extension of Time for ___ month(s) and a check in the amount of \$___ for the required fee.
☒ An Information Disclosure Statement (2 pgs); copies of 0 applications; 1449 forms (8 pgs); and copies of 91 documents cited on the 1449 forms.
___ A check in the amount of \$___, for ___.
___ A certified copy of a ___ application, Serial No. ___, filed _____, the right of priority of which is claimed under 35 U.S.C. §119.
___ Other:
___ Amendment ___ No Additional fee is required. ___ The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$18 =	
Independent Claims				x \$84 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$280 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Asst. Commissioner for Patents, Washington, D.C. 20231, on this 19th day of March, 2002.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813



26813

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By:

Name: Loren D. Albin

Reg. No.: 37,763

Direct Dial: 612-305-1225

Facsimile: 612-305-1228

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.8)



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Serial No.: 09/932,474) Examiner: unknown
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Filed: August 17, 2001)
For: CRYSTALLIZATION AND STRUCTURE DETERMINATION
OF FEMA AND FEMA-LIKE PROTEINS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington D.C. 20231

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

Information Disclosure Statement

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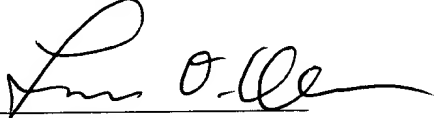
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The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

CERTIFICATE UNDER 37 C.F.R. 1.8:

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Loren D. Albin

March 19, 2002

Date

Respectfully submitted for
Timothy E. Benson et al.

By

Mueting, Raasch & Gebhardt, P.A.

P.O. Box 581415

Minneapolis, MN 55458-1415

Phone: (612)305-1220

Facsimile: (612)305-1228

Customer Number 26813



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PATENT TRADEMARK OFFICE

By: 

Loren D. Albin

Reg. No. 37,763

Direct Dial (612)305-1225

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PATENT & TRADEMARK OFFICE**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	none					

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		EP 786 519 A2	07/30/97	Europe				
		WO 99/47639 A2	09/23/99	PCT				
		WO 99/47639 A3	09/23/99	PCT				
		WO 99/47662 A1	09/23/99	PCT				
		WO 00/12678 A2	03/09/00	PCT				
		WO 00/12678 A3	03/09/00	PCT				
		WO 01/16292 A2	03/08/01	PCT				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
	Angus-Hill et al., "Crystal structure of the histone acetyltransferase Hpa2: A tetrameric member of the Gcn5-related <i>N</i> -acetyltransferase superfamily," <i>J Mol Biol.</i> 1999 Dec 17;294(5):1311-25.
	Bartlett et al., "CAVEAT: A program to facilitate the structure-derived design of biologically active molecules," <i>Molecular Recognition: Chemical and Biological Problems</i> , Royal Society of Chemistry, Special Pub No. 78:182-196 (1989).
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	Berger-Bachi et al., "Mapping and characterization of multiple chromosomal factors involved in methicillin resistance in <i>Staphylococcus aureus</i> ," <i>Antimicrob Agents Chemother.</i> 1992 Jul;36(7):1367-73.

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	BERGER-BACHI et al., "FemA, a host-mediated factor essential for methicillin resistance in <i>Staphylococcus aureus</i> : molecular cloning and characterization," <i>Mol Gen Genet</i> . 1989 Oct;219(1-2):263-9.
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	Clements et al., "Crystal structure of the histone acetyltransferase domain of the human PCAF transcriptional regulator bound to coenzyme A," <i>EMBO J</i> . 1999 Jul 1;18(13):3521-32.
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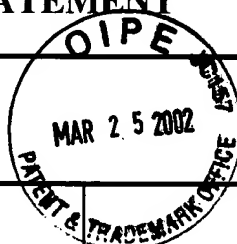


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	Cowtan et al., "Improvement of macromolecular electron-density maps by the simultaneous application of real and reciprocal space constraints," <i>Acta Crystallogr D Biol Crystallogr</i> . 1993 Jan 1;49(1):148-157.
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	Gubler et al., "Overexpression, purification, and characterization of UDP- <i>N</i> -acetylmuramyl:L-alanine ligase from <i>Escherichia coli</i> ," <i>J Bacteriol.</i> 1996 Feb;178(3):906-10.
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Examiner Initial	Document Description
	Kopp et al., "Staphylococcal peptidoglycan interpeptide bridge biosynthesis: a novel antistaphylococcal target?" <i>Microb Drug Resist.</i> 1996 Spring;2(1):29-41.
	Kraulis, "MOLSCRIPT: a program to produce both detailed and schematic plots of protein structures," <i>J Appl Cryst.</i> 1991 Oct;24:946-950.
	Kuntz et al., "A geometric approach to macromolecule-ligand interactions," <i>J Mol Biol.</i> 1982 Oct 25;161(2):269-88.
	Laskowski, et al., "PROCHECK: a program to check the stereochemical quality of protein structures," <i>J Appl Cryst.</i> 1993 Apr;26:283-291.
	Lattman, "Use of the rotation and translation functions," <i>Methods Enzymol.</i> 1985;115:55-77.
	Lauri et al., "CAVEAT: a program to facilitate the design of organic molecules," <i>J Comput Aided Mol Des.</i> 1994 Feb;8(1):51-66.
	Liger et al., "Over-production, purification and properties of the uridine-diphosphate- <i>N</i> -acetylmuramate:L-alanine ligase from <i>Escherichia coli</i> ," <i>Eur J Biochem.</i> 1995 May 15;230(1):80-7.
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	Martin, "3D database searching in drug design," <i>J Med Chem.</i> 1992 Jun 12;35(12):2145-54.

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	Meng et al., "Automated docking with grid-based energy evaluation," <i>J Comp Chem.</i> 1992 May;13(4):505-524.
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	Neu, "The crisis in antibiotic resistance," <i>Science.</i> 1992 Aug 21;257(5073):1064-73.
	Nishibata et al., "Automatic creation of drug candidate structures based on receptor structure. Starting point for artificial lead generation," <i>Tetrahedron.</i> 1991;47(43):8985-90.
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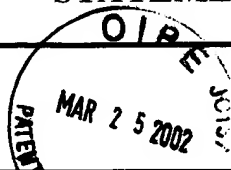
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	Ramakrishnan et al., "Crystal structure of globular domain of histone H5 and its implications for nucleosome binding," <i>Nature</i> . 1993 Mar 18;362(6417):219-23.
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	Travis, "Proteins and organic solvents make an eye-opening mix," <i>Science</i> . 1993 Nov 26;262(5138):1374.
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	Wyke et al., "A role <i>in vivo</i> for penicillin-binding protein-4 of <i>Staphylococcus aureus</i> ," <i>Eur J Biochem</i> . 1981 Oct;119(2):389-93.

EXAMINER	Date Considered
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	